

APPLICATION FOR  
UNITED STATES LETTERS PATENT

SPECIFICATION

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TO ALL WHOM IT MAY CONCERN:

Be it known that I, Isaac Aikens, a citizen of the United States of America, and resident of the State of Florida, having a postal address of 2302 Overpass Road, Campbellton, Florida, 32426, have invented a new and useful "**Bicycle Mounted Ball Carrier Device**", of which the following forms the specification.

**"Bicycle Mounted Ball Carrier Device"**

**CROSS REFERENCE TO RELATED APPLICATIONS**

This invention was the subject matter of Document Disclosure Program  
Registration Number 540,886, filed in the United States Patent and Trademark Office  
5 on October 28, 2003.

**STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH  
OR DEVELOPMENT**

Not applicable.

**REFERENCE TO MICROFICHE APPENDIX**

10 Not applicable.

**BACKGROUND OF THE INVENTION**

**Field of the Invention**

The present invention relates to the field of ball carrying devices in general and  
in particular to a ball carrying device that is specifically designed to be attached to the  
15 handle bars of a bicycle.

## Description of Related Art

As can be seen by reference to the following U.S. Patent Nos. 6,095,390; 5,085,320; 4,244,497; and 4,510,982, the prior art is replete with myriad and diverse ball transporting devices.

5 While all of the aforementioned prior art constructions are more than adequate for the basic purpose and function for which they have been specifically designed, they are uniformly deficient with respect to their failure to provide a simple, efficient, and practical ball carrying device for bicycles that may be quickly and easily attached and detached to and from a bicycle for the purpose of transporting a soccer ball,  
10 basketball, or football to and from a sports venue.

As a consequence of the foregoing situation, there has existed a longstanding need for a new and improved ball carrying device for bicycles which forms a resilient sling for a ball that is equally adaptable for manual transport, and the provision of such a construction is a stated objective of the present invention.

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## BRIEF SUMMARY OF THE INVENTION

Briefly stated, the bicycle mounted ball carrying device that forms the basis of the present invention comprises in general a plurality of flexible strap members connected to one another in a specific relationship to form an open sling pouch for the ball that is adapted to be suspended from the handle bar of a wheeled vehicle such as  
20 a bicycle, tricycle, ATV., etc.

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As will be explained in greater detail further on in the specification, the carrier unit includes a main closed loop strap member that includes an enlarged central loop opening and a pair of opposed discrete loop openings wherein, the enlarged loop opening is dimensioned to receive a sports ball and the auxiliary discrete loop openings are adapted to be slipped over the opposite ends of a vehicle's handle bar.

In addition, the carrier unit further comprises a plurality of sling strap members that are suspended from opposed sides of the enlarged central loop opening wherein, the midpoints of the sling strap members are connected together to form a cradle for the sports ball.

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## BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWINGS

These and other attributes of the invention will become more clear upon a thorough study of the following description of the best mode for carrying out the invention, particularly when reviewed in conjunction with the drawings, wherein:

- 5           FIG. 1 is a perspective view of the ball carrier device mounted on a bicycle;  
FIG. 2 is a front perspective view of the empty carrier device suspended from  
the handle bar of a bicycle;  
FIG. 3 is a side perspective view of the carrier device supporting a ball relative  
to the handle bar;  
10          FIG. 4 shows a basketball or soccer ball suspended within the carrier device;  
and,  
FIG. 5 shows a football suspended within the carrier device.

## DETAILED DESCRIPTION OF THE INVENTION

As can be seen by reference to the drawings, and in particular to FIG. 1, the  
15 ball carrier device that forms the basis of the present invention is designated generally  
by the reference number **10**. As shown in Fig. 2, the carrier device **10** comprises a  
main closed loop strap member **20** having an enlarged central opening **21** flanked by a  
pair of discrete auxiliary openings **22** **23** wherein, the loop openings **21** **22** and **23** are  
formed by joining opposed surfaces of the main strap member **20** together as at **24** **25**  
20 by stitching, adhesives, heat welding or the like.

As can also be seen by reference to Fig. 2, the carrier device **10** also includes  
a plurality of elongated sling strap members **30** **31** and **32** which are connected  
together at their midpoints **33** and wherein, the opposed ends of the sling strap  
members **30** **31** and **32** are fixedly connected to diametrically opposed spaced  
25 surfaces on the central opening portion of the main strap member **20** to form an open  
cradle for the lower portion of a sports ball **200** such as a football **202** or  
basketball/soccer ball **201** as depicted in Figs. 3 and 5.

As can also be appreciated by reference to Figs. 1 through 5, the main strap  
member **20** is dimensioned such that the auxiliary discrete loop openings **22** **23** can be  
slipped over the opposite ends of the handle bar **101** of a bicycle **100** in a well  
30 recognized fashion.

Furthermore, in the preferred embodiment of the invention depicted in Fig. 3, the strap members **20** **30** **31** and **32** are fabricated from flexible, resilient material **28** that will support and frictionally engage the periphery of a ball **200** in a well recognized fashion.

5        Although only an exemplary embodiment of the invention has been described in detail above, those skilled in the art will readily appreciate that many modifications are possible without materially departing from the novel teachings and advantages of this invention. Accordingly, all such modifications are intended to be included within the scope of this invention as defined in the following claims.

10      Having thereby described the subject matter of the present invention, it should be apparent that many substitutions, modifications, and variations of the invention are possible in light of the above teachings. It is therefore to be understood that the invention as taught and described herein is only to be limited to the extent of the breadth and scope of the appended claims.

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